



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF ARTS, SCIENCE AND COMMERCE
Name of the head of the Institution		Dr. Sanjay S. Kharat
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		02025650931
Mobile no.		9011070912
Registered Email		kharat.sanjay@gmail.com
Alternate Email		iqacmodernkg@gmail.com
Address		Progressive Education Society's Modern College of Arts, Science and Commerce, Ganeshkhind, Pashan Road
City/Town		Pune
State/UT		Maharashtra

Pincode	411016																								
<b>2. Institutional Status</b>																									
Affiliated / Constituent	Affiliated																								
Type of Institution	Co-education																								
Location	Urban																								
Financial Status	Self financed and grant-in-aid																								
Name of the IQAC co-ordinator/Director	Parag S. Shah																								
Phone no/Alternate Phone no.	02025634021																								
Mobile no.	9881313944																								
Registered Email	paragshah.8july@gmail.com																								
Alternate Email	gaurikop@gmail.com																								
<b>3. Website Address</b>																									
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.moderncollegegk.org/NAAC_DATA/AQAR%202018-19.pdf">https://www.moderncollegegk.org/NAAC_DATA/AQAR%202018-19.pdf</a>																								
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.moderncollegegk.org/Academic_Calendar/Academic%20Calender%202019-2020.pdf">https://www.moderncollegegk.org/Academic_Calendar/Academic%20Calender%202019-2020.pdf</a>																								
<b>5. Accrediation Details</b>																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>A</td> <td>3.10</td> <td>2011</td> <td>27-Mar-2011</td> <td>26-Mar-2016</td> </tr> <tr> <td>3</td> <td>A</td> <td>3.26</td> <td>2017</td> <td>22-Feb-2017</td> <td>21-Feb-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	2	A	3.10	2011	27-Mar-2011	26-Mar-2016	3	A	3.26	2017	22-Feb-2017	21-Feb-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
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2	A	3.10	2011	27-Mar-2011	26-Mar-2016																				
3	A	3.26	2017	22-Feb-2017	21-Feb-2022																				
<b>6. Date of Establishment of IQAC</b>	02-Jan-2006																								
<b>7. Internal Quality Assurance System</b>																									

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Innovative Product Development Competition by using Jaggery	16-Oct-2019 1	31
Workshop on Novel synthesis and bio functionalisation of nano particles for anti cancer activity as a part of Shastrafest IIT	13-Dec-2019 2	33
Industry start up meet	23-Nov-2019 1	10
FDP on Holistic Teacher training in Innovative Skills of Cooperative Learning and Development of E-content for Teaching Pedagogies in Higher Education under TLC SPPU	25-Nov-2019 7	45
Meeting with experts in Environmental Awareness and community participation	26-Dec-2019 1	11

[View File](#)

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Progressive Education Society's Modern College, of Arts, Science & Commerce, Ganeshkhind, Pune 411016	Student welfare	Savitribai Phule Pune University	2020 365	1104000
Progressive Education Society's Modern College, of Arts, Science & Commerce, Ganeshkhind, Pune 411016	Quality Improvement Programme (Solar)	Savitribai Phule Pune University	2020 365	500000
Progressive	Quality	Savitribai	2020	100000

Education Society's Modern College, of Arts, Science & Commerce, Ganeshkhind, Pune 411016	Improvement Programme (Equipment)	Phule Pune University	365	
Biotechnology Department	Quality Improvement Programme (International Conference)	Savitribai Phule Pune University	2020 2	300000
Department of Sociology	Quality Improvement Programme (National Conference)	Savitribai Phule Pune University	2020 2	200000
IQAC	Special grant for Organising Workshop & Seminar	Savitribai Phule Pune University	2019 1	50000
National Seminar on IPR and Research Ethics	Organising Seminar & Conferences	ICSSR	2020 2	150000
Anubhuti - Regional Project & Poster Competition.	CTEP	DBT	2020 1	122328
Computer Science Department under DBT	STAR	DBT	2019 1095	2500000
<a href="#">View File</a>				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	5
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	Yes
If yes, mention the amount	50000
Year	2020

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

1. National Seminar on Innovative and Best Practices in Higher Education in association with NAAC, Bangaluru and CEDA, Pune 2. International Conference on Biotechnology, Perspectives and Challenges under QIP 3. FDP on online teaching and LMS Moodle Training 4. National Seminar on Intellectual Property Rights and Research Ethics sponsored by ICSSR 5. Workshop on Fundamentals of Outcome Based Education

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
Induction programme for all first year students and Meeting with parents of first year students	Induction programme was organised for all newly enrolled studetns in Arts, Science and Commerce faculty. Department wise Parents meets were organised in the month of July and August.
Skillbased course on Physiochemical and Microbiaal analysis of soil	The course was run from 18th to 20th June 2019 by Department of Microbiology. 39 participants successfully completed the course.
Skill Development Course : A journey to be an Entrepreneur	A skill development course of 30 hours duration was organised from 4th to 15th February 2020 by Faculty of Commerce. 104 participants successfully completed the course.
Course in Operational Banking designed by Alumni	A course in Operational Banking of 30 hours duration was organised from 15th to 28th February 2020 by Faculty of Commerce. 100 participants successfully completed the course.
Embedded C and Robotics Workshop	A workshop of 30 hours duration was organised from 25th January to 13th February 2020 by BCA (Sc). 13 participants successfully completed the course.
Workshop on Basics of nanoscience	A two day workshop was organised on 31st January and 1st February 2020 by

Physics Department. 40 participants successfully completed the course.

National Seminar on Innovative and Best Practices in Higher Education in association with NAAC, Bangaluru and CEDA, Pune

A one day National Seminar was organised on 26th July 2019 by IQAC. Dr. Bhushan Patwardhan, Vice Chairman, UGC, Dr. S. C. Sharma, Director, NAAC along with other officers addressed 374 participants from various parts of the country. The theme of Seminar was based on Paramarsh Scheme of UGC.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
College Development Committee	30-Sep-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

28-Jan-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Documentation Validation and Verification (DVV) Committee has been in place. This committee collects information from all departments in the area of academic programs, certificate courses, major activities, achievements of staff and students, extension, research, collaborative work, seminar and workshops organized for staff and students, financial assistance given to students, remedial coaching and road map. The committee heads submit their annual activity report along with documentary evidences and photographs. A standard format of data collection is devised for systematic collection of information and the same is uploaded under three heads on the common server DVV Modules 1. College at a Glance a compilation of department, committee,

office data annually. 2. Scanned Documents scanned copies of supporting evidences. 3. Images a collection of photographs taken during various activities along with captions. This edocumentation and common server mechanism helps to reduce the use of paper to a great extent. This also proves helpful in providing information to various statutory agencies. Outcome of the module : 1. Paperless Documentation and 2. eGovernance.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

IQAC prepares academic plan of the year and informs central time table committee to prepare a schedule. Time table committee considers the directives given by the IQAC, feedback from stakeholders regarding infrastructure and need of curriculum for effective implementation of academic plan and design the time table for all the programs as per university norms. We run various UG, PG programs designed by our parent university as well as there are various Certificate, Skill based and Value added courses which are designed by our college. For programs designed by Savitribai Phule Pune University, we follow the curriculum designed and approved by Board of Studies of the university. For Certificate, add-on, Skill based and Value added courses, we design the curriculum focusing employability and entrepreneurship development. Central Time table committee displays central time table on notice board and at our college website. After completion of On-line admission process for all the programs as per the directives of Government of Maharashtra and Director of Higher Education, all the program commences. At the end of previous Academic year, the courses for next academic year are allotted to teachers. According to the distribution of subjects and workload, individual teachers prepare their lecture plan for the entire theory and practical course. The lecture plans are recorded in Academic Diary which is maintained by all the teachers and monitored by higher authorities. Academic diary contains information such as Personal time table, Academic planning, Result analysis of the subjects taught and daily teaching details. Teachers are expected to execute their course deliverable as mentioned in Teaching plan. Teachers refer to the standard reference books prescribed by University along with latest information available through online resources for effective implementation of curriculum. Success of every teacher lies in their course content delivery effectively in the classroom. Besides the use of conventional (Chalk and duster) method, various other teaching methods are used for effective implementation of curriculum like: Quiz (Oral, Written), Group Discussion, Demonstrations, Debates, PPT Presentations, Role Play, Allied Projects, Games, Short Films, Industrial Visits, Model making, Add-on practicals, Open book tests, Assignments, Videos, Use of charts and graphs, Case studies etc. In this academic year, to complement ICT based teaching learning process; teachers have been trained to use on-line education Moodle platform in LMS workshop so as to facilitate On-line Lectures and Assessment. At the end of every semester, the students get assessed by conducting their Internal and External examinations. Result analysis of every course is carried out and

corrective measures are suggested by IQAC to improve students' performance. Bridge courses and remedial lectures are conducted to improve the students' result by clearing their fundamental concepts. Fast learners are promoted to opt different add on courses to improve their skills required for employability. Placement cell conducts various grooming sessions for students to increase the chances of their employability and entrepreneurship. Periodically Academic review and feedback is taken from peers and students. The Principal, Vice Principals and Heads of the Departments conduct regular meetings to review the difficulties faced while teaching. Academic diary and a lecture register is maintained to review day to day lecture execution.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Gender and culture undergraduate certificate course sponsored by Womens' study center SPPU.	NA	02/03/2020	1	Entrepreneurship	Gender Sensitization
Interdisciplinary Course in Basics of Nanoscience	NA	31/01/2020	2	Employability	Learnt synthesis technique for nano material.
English for employability Sponsoring agency Times of India in collaboration with British Council	NA	04/09/2020	1	Employability	Enhancement of employability and communication skills
Modi Script Writing Course	NA	03/08/2019	1	Entrepreneurship	Learnt most important script of Medieval Maharashtra to understand unknown history.
Certificate Course in Vedic Maths	NA	21/08/2019	1	Employability	Accurate and Fast computational skills to qualify various competitive



Certificate Course in C Programming	NA	05/12/2019	1	Employabil ity	examination for students of all the streams.
					Enhancement of programming skills.

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	Statistics	15/06/2019
BSc	Blended (Chemistry)	01/07/2019
MSc	Mathematics	15/06/2019
MA	Psychology	15/06/2019
<a href="#">View File</a>		

### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BA	Sociology	15/06/2019
BA	Psychology	15/06/2019
BA	History	15/06/2019
BA	Economics	15/06/2019
BA	English	15/06/2019
BA	Geography	15/06/2019
MA	Sociology	15/06/2019
MA	History	15/06/2019
MA	Economics	15/06/2019
MA	Psychology	15/06/2019
BCom	Commerce	15/06/2019
MCom	Commerce	15/06/2019
BSc	Physics	15/06/2019
BSc	Mathematics	15/06/2019
BSc	Chemistry	15/06/2019
BSc	Statistics	15/06/2019
BSc	Botany	15/06/2019
BSc	Zoology	15/06/2019
BSc	Microbiology	15/06/2019
BSc	Biotechnology	15/06/2019
BSc	Computer Science	15/06/2019

BVoc	Food Technology	15/06/2019
BCA	Science	15/06/2019
BBA	Computer Application	15/06/2019
BSc	Blended-Chemistry	01/07/2019
MSc	Computer Science	15/06/2019
MSc	Biotechnology	15/06/2019
MSc	Microbiology	15/06/2019
MSc	Chemistry	15/06/2019
MSc	Zoology	15/06/2019
MSc	Mathematics	15/06/2019

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	126	Nil

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Certificate Course in Spoken English	15/07/2019	58
Internship Program with Doorstep School	15/11/2019	5
Modelling and Simulation using MATLAB	16/12/2019	17
Soft Skill Development	12/03/2020	60
Skill Development Course on "Quality Control in Laboratories and Industries"	04/07/2019	18
Internet of Things [IOT], using Raspberry Pi	20/06/2019	3
Operational Banking	15/02/2020	92
A Journey to be an Entrepreneur	04/02/2020	108
Train Her	07/01/2020	8
<a href="#">View File</a>		

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BVoc	Food Technology	136
MA	Sociology	5
MSc	Biotechnology	19
MSc	Chemistry	19
BA	History	42

BA	Sociology	5
BSc	Computer Science	1
BSc	Physics	10
BSc	Zoology	10
BCom	Commerce (Banking and Finance)	66
<a href="#">View File</a>		

#### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

Feedback Obtained
<p>Feedback helps the organization to find out the areas where they can develop and progress more. So it has to be authentic and confidential. Keeping this in mind, we have developed our own in-house feedback software. This software is designed to collect feedback from five different types of respondents which include students, teachers, parents, employers and alumni. Feedback given through this software cannot be manipulated. As feedback is collected through an online method, respondents can fill the feedback form as per their convenience at any time, from anywhere and from any device without any stress. The feedback is taken about the overall functioning of college and about the teaching learning process. Overall functioning feedback is about the canteen facility, infrastructure, counseling cell, anti ragging cell, library facility, sports facility etc. This feedback system allows students to give their suggestions as well. The suggestions given by students are taken for consideration by the management. As per students' suggestion, college has started different courses. In the feedback of the teaching learning process students get ten different questions related to teaching method, teacher's punctuality, communication skills, teacher's use of ICT, knowledge of current issues related to subject, teacher's approach towards students etc. Individual teachers feedback is collected and analyzed. This analysis is reported to the head of the institution, IQAC and Management members for corrective measures and it is also communicated to individual teachers for further improvement. Parents' feedback is taken to know their views about the overall development of their ward and the learning environment in the college. Our college has a well established alumni association. Feedback from alumni is taken for knowing the role of college in their personality development, employability and academic excellence. Feedback from employers is taken related to the current curriculum. They also guide about current trends which helps to reduce the gap between academia and industry. Teachers' feedback is about the current curriculum provided by our affiliated university. Teachers' feedback and suggestions helps in the designing of the next curriculum. We analyze all type of feedback and required action is taken on these feedback to improve overall performance of the institution.</p>

#### CRITERION II – TEACHING- LEARNING AND EVALUATION

## 2.1 – Student Enrolment and Profile

### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MSc	Zoology	24	82	24
MSc	Microbiology	48	331	46
MSc	Mathematics	24	10	10
MSc	Computer Science	60	57	57
MSc	Chemistry	48	264	46
BSc	Biotechnology	75	95	46
BSc	All	360	398	230
MCom	All	120	67	67
BCom	All	635	700	635
BA	All	363	440	363

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## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	4502	741	98	18	42

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
159	116	122	34	2	7

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

1. Every class has a Class Advisor and Mentor to notify, help and counsel students about various academic, extracurricular and administrative updates. 2. Every year College conducts Induction Program for First year students right after the admission process to acquaint them with the College, its management and its various functioning Examination guidelines, patterns, rules and disciplines Career opportunities of all courses and programs Value Education and its importance Health and stress management to cope up with the present academic and professional challenges Information about all mandatory committees like Anti Ragging, Anti Sexual Harassment Cell. 3. Teachers from all faculties of the College, i.e. Arts, Science and Commerce guide Second and Third year students about the subjects of their specialization. They are enlightened about different career avenues related to their subject of specialization. 4. Teachers give one to one guidance to the Post Graduate students for their projects and assignments. 5. To polish and hone students about the current

employability needs, Skill Development Workshops are conducted every year. 6. The Placement Cell of the College functions for the students to offer opportunities available through guest lectures and workshops. 7. As many students aspire to crack competitive exams, a Competitive Guidance Cell in the College also functions to mentor the young minds. 8. Many departments (Biotechnology, Computer Science, Microbiology, Commerce, Sociology) send students for various internship programs to give exposure to the challenging career needs. 9.

Teachers motivate and encourage students to participate in various national and international conferences, seminars and attend guest lecturers in various Research Institutes. 10. Teachers help students academically not only through classroom teaching but also by offering notes, reference books, online resources and extra classes.

11. Teachers also extend support to students through personal counseling. The college has a full-fledged Counseling Cell led by a trained professional. 12. The college provided essential support to visually impaired students as one teacher has been assigned for their help. Library provides software and computer based support, audio books and other study material. 13. In the Pandemic situation teachers provided... (a) Continuous online guidance to tackle academic and personal issues of the students. (b) Psychology department provided counseling facilities to the students. (c) Constant communication is done with North East and International students through WhatsApp groups to address their admission, academic and personal queries. (d) In order to take care of mental health of students the college proactively appointed a committee. Name and contact numbers of committee members were shared on the college website and WhatsApp groups. The head of the Psychology department was a member of the State level helpline initiated by disability commissioner, GOM to handle COVID-19 related mental health issues. Many present and past students received counseling. (e) College appointed Faculty administrative staff and communicated their contact details to students so as to help them to complete their admission process during lockdown. (f) Help was also provided to the students from Jammu and Kashmir when they went back home after the declaration of lockdown.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5246	159	1:33

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
167	159	8	30	58

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Ashwini Kulkarni (Microbiology)	Assistant Professor	Certificate of appreciation. Teacher innovation award for sustainable efforts towards promoting joyful and experiential teaching, Shri Aurbindo Society
2019	Dr. Sangeeta N Dhamdhare (Library)	Associate Professor	Young Scientist Award, Education Expo TV, India
2020	Dr. Sangeeta N Dhamdhare (Library)	Associate Professor	ILDC AMP Women Excellence Award-2020, International Leadership

			Development Council and Academy of Management Professionals, Hyderabad
2020	Dr. Jyoti Suhas Gagangras (Sociology)	Vice Principal	Best Lady Teacher Award, Marathi Samajshastra Parishad (30th National Conference, Amaravati)
2019	Dr. Jyoti Suhas Gagangras (Sociology)	Vice Principal	Honorary member, Indian Institute of Education
2019	Dr. Sadhana Natu (Psychology)	Associate Professor	Subject Expert, Member of Committee on Counselling and Mentoring FDP of HRDC, SPPU
2020	Dr. Sadhana Natu (Psychology)	Associate Professor	Subject Expert, Member of Research Advisory Committee of Women's Studies Centre, SPPU
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MSc	MSc Comp05	Second	19/11/2019	22/01/2020
MSc	MSc Biotech03	Second	15/11/2019	24/01/2020
MSc	MSc Micro06	Second	08/11/2019	30/12/2019
MCom	MCom02	Second	27/11/2019	09/01/2020
BCom	BCom02	Third	18/10/2019	27/11/2019
BA	BA01	Third	19/11/2019	14/12/2019
MA	MA01	second	18/11/2019	03/01/2020
BSc	BScGen03	Third	19/11/2019	30/01/2020
BCA	BCASc08	Third	23/10/2019	10/12/2019
MSc	MSc Biotech03	Second	15/11/2019	24/01/2020
<a href="#">View File</a>				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As per the guidelines of S.P. Pune University the institution appointed a College Exam Officer to conduct Examinations and make policy decisions and implement upgraded systems of conducting examinations. The Institute adopted a

centralized assessment of Choice Based Credit System from the academic year 2019 (CBCS 2019 Pattern). Continuous Internal Evaluation (CIE) System was implemented to assess student's development in both the semesters. The Institute has appointed faculty wise internal examination committees to ensure smooth functioning of term end and CIE process. The institution organizes an induction programme at the beginning of the semester as per guidelines of the university. The Examination department informs students about examination pattern, schedule and regulations, Academic Calendar with CIA Exam dates. Schedule is displayed in the College and Department Notice Boards. Result Analysis is done by the class tutors after the CIA Test. The Principal conducts department wise Review Meetings to initiate necessary steps for the improvement of students' performance. Whenever necessary, the tutor recommends parents to visit the college to discuss the student's performance. Remedial Classes are conducted for absentees and slow learners. Assessments of group discussions, seminars, assignments and periodically held written tests help to grade the performance of the students and to take remedial steps if needed. Supplementary or RE- Examinations are conducted for the absent students for science faculty as per university guidelines. Due to the outbreak of covid-19 university postponed all examinations with effect from 17th March 2020.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Academic Calendar is prepared at the beginning of each academic year and displayed on the institutional website. IQAC takes inputs about the planned activities from each department. It also takes into consideration the inputs from in-charge of various committees about their activities. On the basis of inputs received from various departments, committees and administrative office a comprehensive Academic Calendar is prepared. The academic calendar contains information about commencement of term, teaching, dates of examination, dates of extra and co-curricular activities, semester and annual examinations. Before the beginning of every semester respective departments prepare a detailed teaching plan based on number of lectures and practical allotted to each course. On the basis of this departmental timetables are prepared. This helps teachers to plan their curriculum delivery in effective manner. The effectiveness of the process is ensured through rigorous monitoring by the Principal and Vice-Principal. They see to it that all departments follow the academic calendar. Dates of internal evaluation are decided once dates for commencement and conclusion of term are declared by the University. College examination committee prepares a systematic schedule for internal evaluation and assessment of students and submission of marks to the University. IQAC and Examination committee ensures adherence to Academic Calendar for conduct of examination and other related activities. The college has a vibrant culture of instilling inquisitiveness and scientific temper among the students through a number of activities which are declared in advance to the students through the Academic Calendar.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[https://www.moderncollegegk.org/naac\\_criterion\\_II.php](https://www.moderncollegegk.org/naac_criterion_II.php)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage

BBACA07	BBA	Computer Application	43	40	93.02
BA01	BA	All	242	218	90.00
BCom02	BCom	Commerce	439	392	89.29
BScGen03	BSc	All	189	185	97.88
BScBiotech04	BSc	Biotechnology	57	41	71.92
BScComp05	BSc	Computer Science	140	121	86.43
Bvoc06	BVoc	Fppd Processing technology	37	37	100
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

[https://www.moderncollegegk.org/NAAC\\_DATA/Student%20Satisfaction%20Survey%202019-2020.pdf](https://www.moderncollegegk.org/NAAC_DATA/Student%20Satisfaction%20Survey%202019-2020.pdf)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	730	BCUD (Completed in 2019)	1.9	0
Minor Projects	730	BCUD (Completed in 2019)	2.4	0
Major Projects	1095	DAE-BRNS Govt. of India 37(1)/14/30/2018-BRNS 37197 Dt. 06/08/2018	34.63	7.56
Major Projects	1095	SERB-DST Govt. of India FILENO.EMR/2016/003896 Dt.07/06/2017	26.51	6
Interdisciplinary Projects	365	DBT-STAR	10	10
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### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
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Seminar on 'Financial Literacy'	Economics	13/01/2020
Moving Ahead in Psychology	Psychology	07/01/2020
'Revisiting Gandhi'	Sociology	07/02/2020
National Seminar on Innovative and Best Practices in Higher Education (NAAC related Mentoring Programme for Colleges) in collaboration with National Assessment and Accreditation Council, (NAAC) Bangalore and Savitribai Phule Pune University, Co-organ	IQAC	26/07/2019
Webinar on 'Fundamentals of Outcome Based Education' for teaching staff conducted by 'Inpods India', Savitribai Phule Pune University	IQAC	04/04/2020
International Conference on Biotechnology: Perspectives and Challenges (Under quality improvement of SPPU)	Biotechnology	14/02/2020
Soft Skill Workshop	Computer Science	23/08/2019
Skill Development Course on "Quality Control in Laboratories and Industries"	Microbiology	04/07/2019
FDP on 'Holistic Teacher Training in Innovative Skills of Cooperative Learning and Development of E-content for Teaching Pedagogies in Higher Education',	Chemistry	25/11/2019
National Seminar on IPR and Research Ethics	Library	27/02/2020

### 3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Post-Doctoral Fellowship	Dr. Gunjan Garud	SPPU, Pune	17/02/2020	Teacher
Won Erasmus Mundus International Fellowship for Masters and	Hemant Raghunauth	Erasmus Mundus International Agency	20/06/2019	Student

came Fourth in SPPU merit list for BA				
Best Lady Teacher Award	Dr. Jyoti Suhas Gagangras	Marathi Samajshastra Parishad (30th national Conference held at Amaravati)	24/01/2020	Teacher
Distinguished Scientist Award	Dr.Ravindra Kshirsagar	International Conference at Dubai,	04/11/2019	Teacher
Best Teacher Award	Dr. Shakera Inamdar	International Conference at Dubai	04/11/2019	Teacher
Young Scientist Award	Dr.Sangeeta N Dhamdhere	Education Expo TV, Science Technology India	09/06/2019	Librarian
Presented an OER (online course) developed by her on 'Biofertilizer Production' based on the UN Sustainable Development Goals,	Mrs. Sneha Ogale	University of Nova Gorica and UNESCO Chair,	01/07/2019	Teacher
Design Mentor for Smart India Hackathon 2019 for Hardware Edition under Surveillance and Security Section, held at IIT Roorkee	Dr. Varsha Bapat	SIH, MHRD, India	12/07/2019	Teacher
Won Best Research Poster Prize in two days National conference on, 'Phage - A Boon in Disguise 2020', on the topic 'Screening and Optimization of Bioemulsifier Production by Streptomyces Species',	Dr. Neelima Kulkarni	Abeda Inamdar College, Pune.	17/01/2020	Teacher

organised by  
Abeda Inamdar  
College, Pune.

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### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
01	Innovation Incubation Center, Modern College, Ganeshkhind, Pune-16	Self-Funded	Nil	Nil	07/10/2019

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### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
3	2	3

#### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Biotechnology	1
Zoology	3

#### 3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Biotechnology	11	2.7
National	Chemistry	2	Nil
National	Computer Science	1	Nil
International	Zoology	8	1.4
International	Library	1	Nil
National	Psychology	2	Nil
International	Psychology	1	Nil

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#### 3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Library	3
Commerce	3
Zoology	2
Mathematics	1
Microbiology	1

Biotechnology	16
Sociology	5
Psychology	2
Marathi	1
Hindi	1
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
The Alarming Antimicrobial Resistance in ESKAPEE pathogens: Can Essential Oils come to the Rescue?	Yu Z, Tang J, Khare T, Kumar V.	Fitoterapia	2020	16	Dept. Of Biotechnology, PES Modern College, Pune 16	16
Biotic elicitors enhance diosgenin production in <i>Helicteres isora</i> L. suspension cultures via up-regulation of CAS and HMGR genes.	Shaikh S, Shriram V, Khare T, Kumar V.	Physiology and Molecular Biology of Plants	2020	0	Dept. Of Biotechnology, PES Modern College, Pune 16	Nil
Engineering Salinity Tolerance in Plants: Progress and Prospects.	Wani SH, Kumar V, Khare T, Guddimalli R, Parveda M, Solymsi K, Suprasanna P, KaviKishor PB	Planta	2020	13	Dept. Of Biotechnology, PES Modern College, Pune 16	13
Recent trends and	Zhou X, Khare T,	Acta Physiologica	2020	2	Dept. Of Biotechnol	2

advances in identification and functional characterization of plant miRNAs.	Kumar V.	Plantarum			ogy,PES Modern College, Pune 16	
miRNA applications for engineering abiotic stress tolerance in plants.	Wani SH, Kumar V, Khare T, Tripathi P, Shah T, Ramkrishna C, Aglawe S, Mangrauthia SK.	Biologia	2020	4	Dept. Of Biotechnology,PES Modern College, Pune 16	4
Nrf2/HO-1 mediated antioxidant activities, cytotoxicity analysis and LC-ESI/MS profiling of Eulophi anuda L.	Nanekar V, Shriram V, Khare T, Kumar V	The Natural Products Journal	2020	1	Dept. Of Biotechnology,PES Modern College, Pune 16	1
Light stress responses and prospects for engineering light stress tolerance in crop plants.	Yang B, Tang J, Yu Z, Khare T, Srivastava A, Datir S, Kumar V.	Journal of Plant Growth Regulation 38:1489-1506.	2020	11	Dept. Of Biotechnology,PES Modern College, Pune 16	11
Phytochemical profile, antioxidant, anti-inflammatory and antiproliferative activities of Pogostemonis	Kumar V,Shriram V, Bhagat R, Khare T, Kapse S, Kadoo N.	Biotech	2019	2	Dept. Of Biotechnology,PES Modern College, Pune 16	2

essential oils.						
Applications of carbon nanomaterials in the plant system: A perspective view on the pros and cons.	Verma SK, Das AK, Gantait S, Kumar V, Gurel A.	Science of the Total Environment (Elsevier)	2019	68	Dept. Of Biotechnology, PES Modern College, Pune 16	68
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Phytochemical profile, antioxidant, anti-inflammatory, and anti-proliferative activities of Pogostemon deccanensis essential oils	V Kumar, V Shriram, R Bhagat, T Khare, S Kapse, N Kadoo	Biotech	2019	2	2	P.E.S. Modern College, Ganeshkhind, Pune 16
Exploring miRNAs for developing climate-resilient crops: A perspective review	J Xu, QM Hou, T Khare, SK Verma, V Kumar	Science of The Total Environment	2019	17	12	P.E.S. Modern College, Ganeshkhind, Pune 16
Applications of carbon nanomaterials in the plant system: a perspective view on the pros and cons	SK Verma, AK Das, S Gantait, V Kumar, E Gurel	Science of The Total Environment	2019	65	62	P.E.S. Modern College, Ganeshkhind, Pune 16

Expanding antimicrobial resistance and shrinking antibiotic arsenal: Phytochemicals—A ray of hope	M Thakur, V Kumar	MGM Journal of Medical Sciences	2019	Nil	Nil	P.E.S. Modern College, Ganeshkhind, Pune 16
Light stress responses and prospects for engineering light stress tolerance in crop plants	B Yang, J Tang, Z Yu, T Khare, A Srivastava, S Datir, V Kumar	Journal of Plant Growth Regulation	2019	11	10	P.E.S. Modern College, Ganeshkhind, Pune 16
The alarming antimicrobial resistance in ESKAPEE pathogens: Can essential oils come to the rescue?	Z Yu, J Tang, T Khare, V Kumar	Fitoterapia	2020	16	16	P.E.S. Modern College, Ganeshkhind, Pune 16
miRNA applications for engineering abiotic stress tolerance in plants	SH Wani, V Kumar, T Khare, P Tripathi, T Shah, C Ramakrishna, S Aglawe, SK Mangrauthia	Biologia	2020	4	4	P.E.S. Modern College, Ganeshkhind, Pune 16
Recent trends and advances in identification and functional characterization of plant	X Zhou, T Khare, V Kumar	Acta Physiologiae Plantarum	2020	2	2	P.E.S. Modern College, Ganeshkhind, Pune 16

miRNAs						
Nrf2/HO-1 Mediated Antioxidant Activities, Cytotoxicity Analysis and LCESI/MS Profiling of Eulophia nuda L.	V Nanekar, V Shriram, T Khare, V Kumar	The Natural Products Journal	2020	1	1	P.E.S. Modern College, Ganeshkhind, Pune 16

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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Presented papers	18	7	3	Nil
Resource persons	Nil	5	7	32
Attended/Seminars/Workshops	19	44	9	22

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### 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Mula Mutha Bank (Jivit Nadi)	Botany Geography Department Modern College	30	110
Two days Intercollegiate Trek at Rajmachi	Modern Trekking Club	5	265
One day Trek organised at Rohida	Modern Trekking Club	5	45
Movie Club - Tashkant files, Gravity, Kacharakondi,	Modern College GK-Movie Club	2	85
Program - Employment and Entrepreneurship"	Lifelong Learning and Extension	6	77
Program - Financial Literacy	Lifelong Learning and Extension	7	55
Disaster	Indian Red Cross	1	7



Management, First Aid and Youth Leadership Training Camp			
Competitions for students - Elocution, Essay writing, Poster, Street Play.	Indian Red Cross	1	17
Counselor Training Programme	Indian Red Cross	2	Nil
GPS mapping of important plant species from Khangaon, Dist. Pune during camp on 22nd December 2019. (Botany)	College NSS unit	1	20
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Eco-Club	Cash reward of Rs.5000/- under National Green Corps Program	Ministry of Environment and Forest, Government of India	425
Green College , Clean College	Green College Clean College (GCCC) Trophy	Kirloskar Vasundhara International Film Festival( KVIFF), Pune	267
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Gender Sensitization	Board of Students' Development, SPPU	Gender Sensitization workshop - 'Lingbhav Samjun Ghetana'	2	110
Gender Sensitization	Board of Students' Development, SPPU	Gender Sensitization	5	90
River cleanliness drive	Pune Municipal corporation, Pune Forest	Cleaning drive on bank of river Indrayani-kuberganga	1	10

	department, Biosphere, Samarth Bharat, etc	sangam, Alandi on 2nd June 2019. (Botany)		
NSS	Agriculture College	Tree Plantation	25	60
NSS	Sasoon Blood Bank	Blood Donation Camp	4	100
NSS	RTO ,PUNE	Road Safty Programme	4	80
NSS	Chaturshingi Trust	Nirmalya Collection	3	100
NSS	SPPU, PUNE	Winter Special Camp	10	50
Bank Mitra	Old age homes at Pashan, Swarnavihar	Celebrated the new year and donated groceries to old age homes at Pashan, Swarnavihar and made the old home management and old aged people aware about senior citizen banking at doorstep.	2	13
Janeev	Gurukulam Anath Asharam	Students tied rakhees to children there and distributed sweets.	2	7
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### 3.5 – Collaborations

#### 3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Biodiversity assessment workshop With YASHADA, Pune for MSc. Zoology Students	40	Self Financed	4
National Seminar on IPR and Research Ethics (ICSSR, New Delhi)	67	ICSSR, New Delhi	2
International Conference on Biotechnology : Perspectives and Challenges	83	BCUD, SPPU,PUNE	2

FDP on 'Holistic Teacher Training in Innovative Skills of Cooperative Learning and Development of E-content for Teaching Pedagogies in Higher Education',	49	TLC, SPPU, Pune	7
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Academic	New Course : B.Sc. Blended in Chemistry	University of Melbourne, Australia	15/06/2019	30/04/2020	1
Biodiversity Assesment	Biodiversity Assesment	YASHADA, Pune	06/03/2020	11/03/2020	40
Academic	Conduct Workshops and Course	Women's Studies Centre	03/02/2020	03/11/2020	25
Academic	Study Tour	Light House, Pune City Connect	29/01/2020	29/01/2020	35
Tribal Exhibition	Organising Tribal handicraft exhibition and understanding their culture through artifacts and help them, understanding their lifestyle and overall development pattern.	IDEAS NGO	12/02/2020	12/02/2020	55
Academic	Organisation working in the field of	Doorstep School ( 5 Days)	25/11/2019	25/11/2019	5

	education. To provide an internship to interested students.				
Academic	To participate and present papers at various seminars, conferences, to participate in various activities by University	Department of Sociology, S.P. Pune University	28/02/2020	28/02/2020	5
Academic	Research and student training	Dept. of Environmental Science SPPU	15/06/2019	30/04/2020	2
Academic	Research	Vasantdada Sugar Institute, Pune	15/06/2019	30/04/2020	2
Academic	Research	Dept. of Instrumentation, SPPU	15/06/2019	30/04/2020	2
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
RMIT, Melbourne, Australia	15/06/2019	Research	Nil
MGM school of Biomedical Science, Navi Mumbai	15/06/2019	Research	3
.KISAN Forum Pvt. Ltd., 1170/17B, Shivaji Nagar, Pune, Maharashtra 411005, (02030252000), http://www.kisan.com/botany	15/06/2019	Student Volunteering	64
MOU with CSRTI Baramati	15/06/2019	Study and training External	165
Ashvamedh Agroindustry	15/06/2019	Study and training External	31

Kopargaon

[View File](#)**CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES****4.1 – Physical Facilities**

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
200.6	71.39

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

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**4.2 – Library as a Learning Resource**

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
AutoLib NG	Fully	NG	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	13004	1745039	2222	282063	15226	2027102
Reference Books	17846	8841487	1085	845093	18931	9686580
e-Books	80000	11800	73925	5900	153925	17700
Journals	70	124430	83	163024	153	287454
e-Journals	53828	11800	6275	5900	60103	17700
Digital Database	35	191125	58817	72216	58852	263341
CD & Video	1117	25677	Nil	Nil	1117	25677

Library Automation	1	103750	1	75000	2	178750
Weeding (hard & soft)	Nil	Nil	Nil	Nil	Nil	Nil
Others (specify)	165	16543	Nil	Nil	165	16543
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
MRS . Sneha Ogale	Course: Biofertilizer Production	International platform WordPress under the banner of OE4BW (Open Education for a Better World) program, a tuition free online mentoring program for developing courses/ e-content for Open Education towards achieving United Nations' Sustainable Develop	04/07/2019
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#### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	415	12	2	13	2	21	381	130	3
Added	61	0	0	0	0	0	61	70	0
Total	476	12	2	13	2	21	442	200	3

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS
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4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Nil	<a href="https://www.moderncollegegk.org/">https://www.moderncollegegk.org/</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
8.63	5.26	97.94	46.87

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Physical facility Classrooms - Regular cleaning and maintenance is carried out to provide effective learning environment. Some of the class rooms are provided with the electricity generated by hybrid wind and solar plant present in college campus. Regular cleaning is outsourced for maintenance of buildings and other facilities. Looking at volume of work some conservancy work is allotted to support staff. Regular monitoring of electrical and fixtures is done and repaired. Central time table is designed for maximum utilization of infrastructure and class rooms. College runs in two sessions. Academic facility Laboratory -Annual maintenance contract is done for high grade instruments. Stabilizers are used for instruments .Regular servicing and maintenance is carried out for the instruments. Calibrations of instruments is done. Service engineers from manufacturing companies are called for the repairs if available. Comparative statements are made from quotations taken from different agencies for the repair, and one who can give effective service is given the work Practical batches are prepared so as to give hands on experience to all the students. Practical are conducted in morning, afternoon and evening sessions for maximum utilization of laboratory space. Library Annual maintenance contracts are done for the software used in the library. Proper ventilation is done so as to maintain dry environment near book shelves. Regular dusting and cleaning is done by using vacuum cleaners. Pest control Library is made fully automated. Computerized issuing and returning of books is done so as to save time. Book exhibitions are conducted in the library and books suggested by staff members are included in the library .Open access is given to students to the books so as to have effective referencing and exploring of new books related to subjects. Special reading room facility and computers are provided for access to e content .Library staff conducts orientation and information literacy programs to educate patrons. New arrivals are exhibited on board and screens. Library is kept open in long vacations for the benefits of the students. Qualified staff is appointed in library to guide and help students. Separate computer is provided to student for book search. Social platform is used to notify about the current updates of library. Flip class room was used to educate patrons online through tutorials and videos prepared. Computers Maintenance and support are carried out by Excel IT services Pvt. Ltd on AMC basis with three full time system administrators. Regular upgradation carried out for hardware and software Available computers are distributed in departments, office and library and for administrative work as per the requirement and load of the work. Computers are connected through LAN and with high speed internet facility. Computers are provided with upgraded antivirus. Sports facility Regular maintenance is carried out for gymnasium, sports equipment and sport material from experts in the field. Synthetic surfaces on ground are cleaned periodically Sport material is issued to students as per the schedule. For Intercollegiate competitions sport material is issued to the student for the period of the competition. Gymnasium is used in slots.

[https://www.moderncollegegk.org/NAAC\\_DATA/Procedures%20and%20policies%20for%20maintaince%20and%20utilization%20of%20infrastructure.pdf](https://www.moderncollegegk.org/NAAC_DATA/Procedures%20and%20policies%20for%20maintaince%20and%20utilization%20of%20infrastructure.pdf)

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

## 5.1 – Student Support

### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Scholarship Free ship	959	11911280
Financial Support from Other Sources			
a) National	Central Sector, Post Matric Minority, Ishan Uday, Umbrella Scheme, Pandit Deendayal, DPDNB	73	35265
b) International	ICCR	18	0
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### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Language lab	01/07/2019	56	Nil
Personal Counselling	01/07/2019	70	Nil
Personal Counselling	01/07/2019	169	Nil
Bridge Course	01/07/2019	830	Nil
Remedial Coaching	01/07/2019	137	Nil
Career Counselling	01/07/2019	148	Nil
Soft Skill Development	01/07/2019	124	Mahindra Pride Classroom
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### 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Guest Lectures	36	148	Nil	Nil
2020	National Level GK Examination	28	Nil	Nil	Nil
2019	College Level GK Examination	14	Nil	Nil	Nil



2019	Inaugural Lecture	42	Nil	Nil	Nil
2019	Induction Lecture Commerce	500	Nil	Nil	Nil
2020	State Level Graduate Excellence Examination	18	Nil	Nil	Nil
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	3

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
45	1053	109	13	84	21
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	BA	Psychology	IIT Gandhinagar	MSc Cognitive and BrainScience
2020	1	BA	Psychology	Tata Institute of Social Sciences	MSW
2020	1	BA	Psychology	Tata Institute of Social Sciences	MA
2020	18	BA	Psychology	Modern College Ganeshkhind	MA
2020	1	BA	Sociology	Modern College Ganeshkhind	MA
2020	15	BA	History	Modern	MA

				College Ganeshkhind	
2020	1	BA	History	Azim Premji University	MA
2020	1	BA	History	Fergusson College	MA
2020	1	BA	History	Bharati Vidyapeeth	MA
2020	1	BA	Psychology	Lalit Kala Kendra	MA Theatre
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	2
Any Other	28
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
PSY WORLD V Fest: Theme -Cognitive Psychology	College	200
Modern Trekking Club	Intercollegiate	265
Tribal Handicraft Exhibition	College	500
Regional project and poster competition: Anubhuti	Pune region DBT STAR Colleges	377
Science Exhibition	College	490
Science Fair	Intercollege school	550
INTERACTION 2020	Intercollegiate	343
Volleyball (Men) Competition	Interclass	160
Geo-carnival (Geography)	Intercollegiate	250
Fitness Week	Intra College	800
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### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	All India	National	1	Nil	80645193 5677	Shraddha Jadhav

	Inter University Baseball Competition :Gold					
2020	West Zone Inter University Cricket Competition: Silver	National	1	Nil	997398960132	Aditi Kale
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Every year the college conducts elections for University Representative, Ladies Representative and Sports Representative. Statutory representation is provided for students on the Cell for Prevention and Prohibition of Sexual Harassment .

The representatives participate in committee meetings, deliberations and decision making process and bring the much needed students perspective to the work in hand. The Student Council helps in maintaining academic discipline and vigour. They are assigned special tasks during co curricular, extra curricular and sports activities. They also help in coordinating the Alumni and Current students' festival and entrepreneurship event Vividha. We have Student representatives in Magazine Committee, IQAC, Vividha, Yuva Saptaha Committees.

Student representatives are appointed for sports events and competitions. College organises a variety of events for which committees are devised. Disha ,peer support and speak out group is run by student coordinators and it helps students to vent out complements the work of the Counselling Cell. Students get representation on various committees and direct participation in the events.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Modernites is a registered alumni association of P.E. Society's Modern College of Arts, Science and Commerce Ganeshkhind Pune. It is a registered under Public Trust and Society's Act in the year 2010-11. The Registration Number of alumni association is F-38148/PUNE. It has its executive body for execution of its objectives and policies. The body constitutes with the involvement of Principal and some of the senior faculties of Modern college Ganeshkhind and well- placed alumni. The memorandum of association aims at... 1. To impart valuable suggestions for quality education through Internal Quality Assurance Cell frequent meetings. 2. To undertake the various activities for the present students so that it will help them to improve their employability skills and entrepreneurial abilities. 3. To assist the placement cell of the college for conducting soft skill development workshops, Personality development workshops and campus interview. 4. To achieve the inclusive growth of the students through endowment scholarship for deserving economically backward students and to promote them towards higher education. 5. To make collaborative effort in environmental consciousness, financial inclusion, women empowerment, academic upliftment of the students. 6. To provide a platform for the alumni through Alumni Meet for enriching them with business contacts. 7. To Inculcate and develop research aptitude and skills amongst the youth. The Alumni Association called Modernites is proactive. The alumni organize various activities such as Vividha an Entrepreneurship Fair to promote self-employment. They also conduct training for Business plans, making and designing articles for sale etc. They

conduct training for Event management, mentor current students and help by giving endowments, scholarships.

5.4.2 – No. of enrolled Alumni:

232

5.4.3 – Alumni contribution during the year (in Rupees) :

141765

5.4.4 – Meetings/activities organized by Alumni Association :

Stalls for social cause: Modernites gave one stall for Indian Post and Telegraph Department for financial inclusion and digital literacy and about more than 250 students applied for IPPB mobile app. The Indian Post and Telegraph Department has appreciated the collaborative effort of alumni association and college towards entrepreneurial promotion, financial and digital literacy, environmental consciousness, national integration along with academic and research contribution of the college. The Executive body meeting of Modernites was conducted three times in the academic year 2019-20. Sr. No Date Number of members attended the meeting 1 27th Nov 2019 12 2 28th Dec 2019 11 3 5th Feb 2020 11

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

1) Academic functioning: The college inculcates culture of collective responsibility among its faculty members and Departments. The college delegates authority and provides operational autonomy at various levels. Vice Principals and Head of the Departments are empowered, and academic autonomy is provided to the Departments under the supervision of Vice Principals and Principal. It helps to implement effective decentralized governance. This academic freedom helps Departments to prepare their academic planner and schedule of various activities, skill-based courses, Timetable designing, assigning of projects, to conduct workshops/hands on training program/guest lectures on areas as per the requirement. 2) Administrative functioning: The College Registrar looks after the administrative responsibility distribution under the guidance of Vice Principal and Principal. He monitors the day-to-day functioning of administrative staff. All Departments prepare budgets at departmental level as per their requirement and final budget is prepared by office on the basis of Departmental inputs.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

### 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The College has equipped itself to provide all admission formalities under one roof. Online admission is done through Vriddhi Software wherein students' data is saved and used by the college for further correspondence in all official and administrative work.

This online admission procedure is taken care of by the admission committee where students are provided assistance in filling up forms. Later their forms are scrutinized and verified by the members of the admission committee. Career Counseling is also a part of the admission procedure. There are few departments that conduct entrance test for admission to various courses.

Industry Interaction / Collaboration

To acquaint the staff and students of the college with current industrial and corporate scenario HR meets are conducted. The college organizes seminars and workshops in order to familiarize students with different work-cultures and also acquaint them with the pre-requisites for employment. The Placement Cell encourages students to visit 'Edu-Fair' to explore options for higher education in International universities. Placement drives on campus resulted in visits by as many as 54 companies which helped in placement of 145 students from different streams. Our well-placed alumni in the Corporate and Industrial sectors, also provide guidance to current students. The college regularly conducts activities under its Entrepreneurship development Cell. The college also has a functional Incubation Centre for its students.

Human Resource Management

The College regularly hosts many all-round activities to ensure a healthy environment for its employees. Cultural Programs are conducted under Staff Academy to motivate the staff and spread positive energy in the college campus. Programs like Yoga Day, Women's Day are celebrated which help in stress management and in spreading awareness on relevant issues. Teaching faculties are sanctioned Duty Leave to participate in national and international conferences. In order to enrich the academic environment, permanent teaching faculties are encouraged to participate in refresher, orientation and short-term courses. Some departments of the college also conduct refresher, Faculty Development Programme and short-term courses.

Library, ICT and Physical Infrastructure / Instrumentation

The IQAC of the College has signed an MoU with the IQAC of 200 colleges that come under the jurisdiction of Pune University and Maharashtra. The college

provides excellent software, physical infrastructure and instrumentation facilities under DBT Star College DST-FIST scheme. This has also enabled researchers, teachers and students from other colleges, who have signed an MoU, to avail the facilities of our college and vice-versa. The college also provides its infrastructure facilities for conducting competitive exams and SET exams of the University.

Research and Development

A Research Committee is appointed by the Principal of the College to strengthen and motivate the faculty members for improving and enhancing the standards of learning and research. Teachers and students are encouraged to undertake research projects and given necessary support for better outcomes. Under the guidance of the Principal and the Academic Research Coordinator, different departments of the College organize National, International Conferences, symposia and workshops to promote research activity in the institution. Teachers are appreciated and felicitated for their research paper publications in national and international journals during Common Staff Meetings, national festivals and annual functions. The college has established industrial collaborations, submitted a collaborative proposal to DBT Government of India.

Examination and Evaluation

The Principal, College Examination Officer and Vice-Principals hold workshops to orient the staff to smoothly carry out the examinations and evaluation process. Guidelines regarding supervision duties, evaluation of answer sheets is shared with all the teachers.. Answer sheets of Internal examinations are made available to students to maintain transparency in assessment process. University question papers are received online through University website. The college displays seating arrangements and results online for faster accessibility and support. Mechanism for redressal of grievances regarding the evaluation work is according to the rules of Savitribai Phule Pune University. Grievances related to University examinations are communicated to the University. Grievances related to college

	examinations are addressed in the college through CEO and Principal.
Teaching and Learning	The College provides for a healthy environment for academic exchange. A functional College Feedback Committee is in place so as to obtain detailed online feedback from the students regarding pedagogical methods used in class. These reports are periodically shared with the teaching staff. Based on the feedback, concerned teachers are guided and suggested to conduct practical, Add-on and bridge courses, adopt ICT based teaching and implement innovative methods to improve and enhance teaching-learning process. Technology-enhanced learning is made effective with training programs for teachers on mograSIS. Series of FDPs and workshops were held on Zoom during the 'Lockdown' to equip teachers with Online tools for virtual teaching-learning. Teachers attended webinars and lecture-series during the pandemic months to upgrade their knowledge in respective academic fields.
Curriculum Development	All undergraduate and post graduate courses run by the College follow the curriculum of Savitribai Phule Pune University. The College designs its own curriculum for Add-on Certificate courses and skill based which are designed by different departments taking into consideration the demographic diversity and socio-economic profile of the students. The College also runs a self- designed curriculum for the Bachelor of Vocational Studies (B.Voc). The college follows CBCS pattern at PG Level and for first year classes at the UG level wherein there is a flexibility to design various academic activities and extra credit skill based courses.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	The College has developed O-Server that preserves and provides all academic and official data under one system of online information. The O-Server provides folders to all academic and administrative departments and faculties of the College. The information and details provided in respective folders are later retrieved for drafting magazine reports, annual

reports, higher education reports, Central Documentation Committee and DVV. This also gives accessibility to the Principal and the Management and DVV Committee to scrutinize and verify all the activities conducted by different departments and faculties of the college. The college website is continuously updated and serves as an effective portal for sharing information with stakeholders.

Administration

The College continuously strives to practice paperless methods in all its administrative and official work. All functions of the college are carried out online and are computerized in order to maintain transparency while sharing information within the college, faculties and departments. Flowchart - Principal - Vice Principals IQAC Coordinator - Heads of the Departments - Staff members.

Finance and Accounts

Fully equipped computerized methods are followed to keep track and records of all finances of the college. Advanced software is used to preserve scanned documents, e-filing and budget transactions accurate. The Management checks, verifies and guides the finance and accounts section from time to time. Tally Gold Prime software is used for computerized accounting. Winnman Income Tax Software is used for generation of Form 16 of the employees and also for filing of TDS returns.

Student Admission and Support

Online tools are used to provide constant support and assistance to the students and update them on all academic and administrative matters through notices regularly. Vriddhi notices and feedback forms are made available for students on the college website. Besides this, online messages and short messaging services are also used to communicate official information. Teachers have created google groups and WhatsApp groups to post updates and news related to academic and official documents. Owing to the pandemic situation, this year teachers reached out to solve one-on-one student queries via phone, e-mails and other social media platforms.

Examination

The College conducts annual and Semester-wise examinations smoothly. The seating arrangement of the students



is provided online. This is a time-saving and student-friendly practice which helps avoid chaos and confusion during the examination. Notices related to exams are also posted and updated on priority basis. Thus the Chief Examination Officer and examination committee ensures transparency and smooth conduct of exams. Besides this, marks of the internal exams and semester exams are also sent to the University online. College also displays Internal Examination results on College Website. This year on account of the pandemic situation, students used online method of registration for examinations. Exams for certain courses were conducted both online and offline adhering to health and safety protocol.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Nil	Nil	Nil	Nil
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	6 Days Hands on Training Programme Moodle Hands on Training Webinar Series	NA	15/04/2020	23/05/2020	125	Nil
2020	Admission System Online Software Training Programme	Admission System Online Software Training Programme	13/06/2020	13/06/2020	57	12

2020	5 Days Faculty Development Programme Titled : "e-Content Development for Online Teaching"	NA	25/06/2020	30/06/2020	140	Nil
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
MOOC	1	15/10/2019	26/11/2019	43
Refresher	1	01/09/2019	15/01/2020	40
FDP	2	11/07/2019	13/07/2019	3
FDP	1	20/06/2019	29/06/2019	10
MOOCs	1	11/06/2019	23/07/2019	42
MOOC	3	15/08/2019	18/11/2019	96
Refresher Course	2	01/09/2019	31/12/2019	122
Swayam Refresher Course	1	01/09/2019	23/11/2019	84
SWAYAM Online ARPIT Course	1	30/09/2019	31/01/2020	124
Online Refresher course	1	01/10/2019	01/02/2020	124
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
109	159	57	69

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Credit cooperative Society (Pat Pedhi), Staff Medical Insurance	Credit cooperative Society (Pat Pedhi), Staff Medical Insurance, Exgracia	Students Aid Fund contributed by staff members of the college, Scholarships by teachers personally, Scholarships by Alumni, Counselling, Earn and learn

## 6.4 – Financial Management and Resource Mobilization

### 6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal and External audits of organization are conducted regularly. These auditors are appointed by parent institution. Internal audit is conducted after every six months and external audit is conducted after end of accounting period. Queries raised by auditors are resolved in stipulated time and suggestions given are implemented. Audit report and audited statements are presented to College Development Committee as well as Board of Life Members. These documents are submitted to Business Council of Progressive Education Society. Proper systems are developed to maintain finance and accounts. Management also takes periodic review of financial position of institution. The institute also ensures timely submission of audited utilization certificate to various funding agencies. Financial audit is also conducted by the funding agencies like Social Welfare Department, Student Development Board of Savitribai Phule Pune University, Examination department and other departments of Affiliated University related to funds provided under various schemes and activities.

### 6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Savitribai Phule Pune University and ICSSR	2404000	Various Schemes of Student welfare, Quality Improvement Programme and organization of National and International seminars and conferences
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### 6.4.3 – Total corpus fund generated

0

## 6.5 – Internal Quality Assurance System

### 6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	Yes	Progressive Education Society
Administrative	No	NA	Yes	Progressive Education Society

### 6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parent Teacher Association (PTA) has taken initiative to conduct department wise parent meets. Hospitality and management for conduct of these meeting is taken care by PTA. Conflict of students and their difficulties were addressed during these meetings. These meetings were proved to be of a great help to maintain the conducive environment in the college. It also helped in academic improvement of students.

### 6.5.3 – Development programmes for support staff (at least three)

Two training programs of Vridhhi Software were organized on 13th June 2020 and 15th June 2020 for support staff.in accordance with forthcoming fully online admission process. Capacity building activities were conducted for support staff during various meetings conducted by Principal and management representatives.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Introduction of two new PG programs viz. MA (Psychology), MSc (Mathematics)
2. Introduction of two new UG programs viz. BSc Blended in Chemistry in association with University of Melbourne, Australia and BSc (Statistics)
3. Establishment of Innovation Incubation Center
4. MoU with RMIT Melbourne, Australia for Research activities.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	National Seminar on Innovative and Best Practices in Higher Education in association with NAAC, Bangaluru and CEDA, Pune	26/07/2019	26/07/2019	26/07/2019	374
2020	International Conference on Biotechnology, Perspectives and Challenges under QIP	14/02/2020	14/02/2020	15/02/2020	250
2020	FDP on online teaching and LMS Moodle Training	25/06/2020	25/06/2020	30/06/2020	140
2020	National Seminar on Intellectual Property Rights and Research	27/02/2020	27/02/2020	28/02/2020	89

	Ethics sponsored by ICSSR				
2020	Workshop on Fundamentals of Outcome Based Education	04/04/2020	04/04/2020	04/04/2020	106
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Gender Equity: Gender and Culture Course. UG Certificate course was conducted in collaboration with the Womens Studies Center, SPPU.	03/02/2020	02/11/2020	13	8
Gender Sensitization workshop - 'Lingbhav Samjun Ghetana' One day workshop on Gender Sensitization was organised in association with the Board of Students' Development, SPPU. The program was conducted in 3 sessions.	25/02/2020	25/02/2020	44	46
Nirbhay Kanya Abhiyan	10/01/2020	10/01/2020	248	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Alternate Energy Initiatives - Installation of Solar Wind Hybrid Power Generation Plant in the year 2016 and its up gradation in 2017 is a step for

sustainability. The college has installed 21 Kw Solar PV (15 Kw) and Wind Roof Top Power plant. The annual purchase of the year 2019-20 from MSEDCCL is 1,50,377 kWh. The energy generated by the solar-wind hybrid power plant in the year 2019-20 is 17,747 kWh. Annual lighting power requirement of the institution is thus 168,124 kWh. Therefore the annual power requirement met by renewable energy resources is 10.56 percent. As per the recommendations of the energy audit, the institution is in the process of replacing fluorescent tubes by LED bulbs, replacing old ACs and other instruments by star rated ones. Efforts are being made to create awareness in stakeholders about sustainable use of power. Environmental Consciousness- The institute organizes various events to create environmental consciousness by organizing workshops, nature trails, biodiversity surveys, poster competitions etc. 1. Workshops- a) Workshop on Human and Wildlife Conflict: Concerns and Resolution was organised by Biosphere and Departments of Botany and Geography to commemorate Kirloskar Vasundhara International Film Festival (KVIFF) 2020 on 6th Jan 2020. More than 100 students participated. b) Know Your Rivers- Ramnadi Restoration Workshop by Biosphere and KVIFF on 11 Sept 2019. More than 120 students participated in the event. c) Emerging Trends and Advances in Plant Science workshop conducted by Botany Department on 11 Feb 2020. d) Workshop on Bio-business -Scope and Opportunities was organised by Botany and Zoology Departments -intercollegiate 100 students participated. e) GeoCarnival was organised by Geography Department on Global Warming and Sustainable Development theme intercollegiate 12-13 February, 2020. Participation 150 students. Trekking/ Cycling / Walkathon- Environmental Study Trek-Rajmachi (30 km) 12-13 January 2020 -250 students. Modern Cycling Club organised many cycling events for staff and students throughout the year. Walkathon- In SPPU organized Fit India Movement-549 students on 29 Aug 2019. Pune Kridabharati Yuva Daud in SPPU marked participation of 110 students and staff Field Activities- Nature Trail at Vetral Tekdi -110 participants Ramnadi Parikrama on Bike on 15 Sept 2019 from Khatpewadi (source) to Baner (mouth) along Ramnadi- 40 students. Poster competition on Indian River Scenario for FYBA students by Geography Department on 20 and 21 Sept 2019. Visit to Mutha River by students and staff with NGO Jeevit Nadi. Tree Plantation drive at Kule-Dakhane at Paud campus by students and staff. Biodiversity survey at Khamgaon village. Cleaning Drive at Indrayani-Kuberganga Sangam, Alandi GPS mapping of plants at NSS village Khamgaon 22 December 2019. Kisan Exhibition at Moshi -25 students Training For Solar Panel Energy and Vermi-composting by Zoology Department.

#### 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	16
Provision for lift	Yes	16
Ramp/Rails	Yes	16
Braille Software/facilities	Yes	10
Rest Rooms	Yes	16
Scribes for examination	Yes	16
Special skill development for differently abled students	Yes	10
Any other similar facility	Yes	16

## 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	11	11	24/08/2019	1	Celebration of Rakhee in orphanage	Students tied rakhees to children there and distributed sweets in order to spread the feeling of Brotherhood	9
2019	Nil	Nil	31/08/2019	1	Donated Stationary to Orphanage	Distributed Stationary to Gurukulam Orphanage Chinchwad to inculcate the value of sharing and uplifting marginalized	15
2019	Nil	Nil	05/09/2019	1	Umneed	Self-Care Module: which includes diet and food habits, exercise, discussion on hobbies and relaxation techniques. Promoting habit of	39

						self care in tertiary staff. Working on Community Mental Health.	
2019	Nill	Nill	10/09/2019	1	Suicide Prevention Awareness Campaign	Spread Awareness about Suicide Prevention with the help of posters and slogans throughout college campus	49
2019	Nill	Nill	10/09/2019	1	Suicide Prevention Awareness Campaign in Modern Law College campus	Spread Awareness about Suicide Prevention with the help of posters and slogans throughout college campus	29
2019	Nill	Nill	14/10/2019	1	Visit to Nearby National Institute NCCS	Students saw instruments like FACS, Confocal Microscope, Proteomics facility, Animal Cell Repository	50
2019	Nill	Nill	10/12/2019	1	Donation of Groceries and Clothes to	As per requirement of Orphanage Annapurna Ashram,	18



					Orphanage	Donation of Pohe, Rice, Tin of Cooking Oil etc. Aim was to inculcate the value of catering to the marginalized community	
2019	Nill	Nill	30/12/2019	1	Bank Mitra	Celebrated the new year and donated groceries to old age homes at Pashan, Swarnavihar and made the old home management and old aged people aware about senior citizen banking at doorstep. 42 students and teachers Donated 72kg rice and half kg dal.	15
2020	Nill	Nill	02/01/2020	1	Visit to Nearby National Institute NCMR-NCCS	Students saw facilities like MALD I-TOF, FAME, Next gene	49

						ration sequencer	
2020	Nil	Nil	17/01/2020	1	Visit to Nearby National Institute IISER	Students saw instruments like ultracentrifuge, Incubator, PCR	56
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Teacher's diary	22/06/2019	The institution follows the code of conduct of S.P. Pune University and the parent institution. It is published every year in the Teacher's Diary which is maintained by all teaching staff. The code of conduct for students is made available in the prospectus every year and also displayed on campus in the form of display boards. The code of conduct promotes self-discipline, self-reliance and encourages each one to be responsible citizen and productive member of the institution. The outcome of this is a nurturing relationship between staff and students which creates an environment conducive to learning.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Rajshri Shahu Maharaj Jayanti	26/06/2019	26/06/2019	37
Celebration of golden jubilee of Bank Nationalization	19/07/2019	19/07/2019	85
Lokmanya Tilak Jayanti (Library)	23/07/2019	23/07/2019	43
Lokmanya Tilak	23/07/2019	23/07/2019	26

(History)			
Annabhau Sathe	01/08/2019	01/08/2019	65
Nana Patil Jayanti	03/08/2019	03/08/2019	37
Banking Day	11/08/2019	11/08/2019	122
Independence Day to foster the spirit of Nationalism	15/08/2019	15/08/2019	200
Quest: Curiosity and Creativity Forum	28/08/2019	28/08/2019	103
Raje Umaji Naik Jayanti	07/09/2019	07/09/2019	50
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Drip irrigation and sprinkler for watering the garden and campus plants. 2. Effluent water treatment plant to convert laboratory waste water into recyclable water used for on campus trees 3. Reuse and recycling of paper waste 4. Recovery and recycling of solvents 5. The e-waste collection drive is implemented throughout the academic year. 6. Cactus garden with near about 65 different varieties of cactii is developed in the college campus 7. Scientific disposal of bio-waste. 8 No Vehicle Day is observed on the first day of every month. 9. Solar-Wind hybrid power generation plant. 10. solar and LED lamps 11. Rain water harvesting

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

**Best Practice 1 Title of the Practice: Tree Plantation Drive Goal: To sensitize, encourage and engage students, staff, all stake holders of the college and community about scientific tree plantation for increasing green coverage. The Context: Trees play significant role in maintaining equilibrium of the environment. Many ecological processes like rainfall pattern, monsoon cycle, soil cover, balancing the level of greenhouse gases and oxygen production are governed by trees. Vegetation protects wild life and provides habitat. Besides, trees have social, spiritual, commercial, medicinal significance. The Practice: Initially an interactive meeting of forest officials with the Principals of all colleges in Pune district was held in our college to decide strategies of tree plantation. In response to this, the college planned to carry out tree plantation drive at the Progressive Education Society's Modern College of Agriculture Biotechnology, Kule-Dakhane campus every year in the rainy season as the college has fifty acres of land near Pune. Every year about 100 saplings are planted and maintained. The GPS location of planted trees are recorded. Plant growth is checked by continuous monitoring by the college. Members of Sevaprathishthan (NGO) group have planted 334 native trees and shrubs on 9,300 sq.ft area in Panchvati area near our college by removing exotic plant species. The exotic plants are a threat to native plants because of the rapid spread. Students of Botany Department have measured the tree growth parameters on monthly basis to build up a data for the first three years of the tree's life. It is a unique urban forest project where natural ecosystem is being established by rejuvenating biodiversity over the past four years. It has become a model project which is being adopted by the Pune Municipal Corporation to introduce in other parts of the city. Students**

have collected the plant data in that area. Native Plant Nursery is established in the college. The seedlings raised in the nursery are used for plantation at various places in and outside of the city. A variety of plants like cacti, succulent, ferns, gymnosperms, medicinal and aromatic etc are grown in the college campus. Some common fruiting trees like, Mango, Coconut, Sapota, Ficus Sp. etc. are planted in the campus which provide food and shelter to many species of birds. Students are actively involved in growing and maintaining the plants. All the plants in the campus are tagged with their botanical as well as common names. Evidences of success: The College Campus is enriched with a variety of plant species. The College has bagged various awards like "Chhatrapati Shivaji Maharaj Vanashri Puraskar" in the year 2017 as well as "Green Army Certificate" hosted by the Forest Department, Government of Maharashtra, "Green College Clean College Trophy" hosted by Kirloskar Vasundhara International Film Festival Group, Pune in the year 2019, for the green initiatives. College also received a grant to Rs. 5000/- under NGC (National Green Corps) programme initiated by the Ministry of Environment and Forests, Government of India to sensitize students about environment, its problems and conservation. Problems encountered and resources required: As institution is located in city area the institution does not have more space for plantation in the campus. Best Practice II Title- "Experiential Learning" Goal- Purposeful engagement with students in learning and our stakeholders through experience, exploration and reflection. The Context- Learning through experience is not a new concept as our ancient traditional system of education emphasizes on the same. Gandhijis 'Nai Taleem' is the ideal example of experiential learning. This pedagogical approach based on mutual cooperation and reflection enables their stakeholders to think critically, Innovate, reformulate their skills and apply the knowledge. Also it is an attempt to hone soft skills of the learners. The Practices- "Litcarnation- A Literary Carnival"- is a festival of language. It is an effort to expose students to a world of creativity and imagination and motivate young minds to unleash their potential and showcase their talent in researching fiction, drama, cinema, designing, planning and execution. Every year more than 500 students from all streams, schools and colleges participate and share this common platform. "Tribal Handicraft Exhibition"- This is our small step to fulfill 'social commitment to most marginalized groups. This exhibition is being organized by Department of Sociology at college level for Two days in association with the NGO working in the area of tribal development. Outreach of this exhibition has been consistently growing and has reached to around 3000 footfall. It includes students from different colleges, staff and other stakeholders. "Psy World"- is an event where students place their knowledge in the form of interactive presentations, games, personality assessments and projects related to information dissemination regarding cross cutting issues with the hand holding from their mentors. With 500 plus visitors during the reporting year it includes students, NGO members, parents, alumni participating in this fest. Cost Fest- Under this event various competitions and activities are conducted related to Banking, Accounting, Costing and Management to develop entrepreneurial skills. Many of the students create their own brands and manufacturing units. This is the engaging platform to bridge the gap between education and industry. "Anubhuti"- Science Exhibition- An activity of our college that encourages learning by doing and catalyzes an interdisciplinary approach in science education leading to versatile applications. Science Students are provided opportunities to handle new technologies/instruments from various laboratories and do experiments beyond the curriculum. Financial assistance extended by national institutions like CTEP cell of Department of Biotechnology ,Govt. of India and Sharada Shakti, a Pune based institute working for women empowerment endorsed us. This year 490 participants from college and 377 participants from Pune region got actively involved with "Anubhuti". Conserve the mother earth- From last four years this activity is

being organized by Department of Zoology and Physics under the DBT star college scheme. Under this activity, students and teachers from our college visit various rural and urban schools where interactive sessions are conducted, experiments are performed to sensitize school children under the theme "Conserve biodiversity and protect environment." Every year about 500 school children and 55 students from our college participate in this activity.

Evidence of success- All these activities are the best examples of 'Experiential Learning'. As an outcome it has helped our students for exploring their capabilities and also expand their horizon of knowledge which is evident from the awards received by the institution. Problems occurred - The scarcity of space has always been the major concern as there has been an enormous response to the mentioned events and the participants' size has been growing at a galloping pace.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

[https://www.moderncollegegk.org/naac\\_criterion\\_VII.php](https://www.moderncollegegk.org/naac_criterion_VII.php)

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Star College Scheme: A Game Changer Modern College was selected for Star College Scheme of the Department of Biotechnology (DBT), Government of India, in 2011. This resulted in an unprecedented growth in laboratory infrastructure developments, with procurement of large number of small equipment besides some high-end equipment, the laboratories were restructured and renovated and were fixed with lab-safety measures. All ten science departments were supported under this prestigious scheme, probably the only college in the country to have support for so many departments. This has helped the college in introducing student-centric, research -based teaching pedagogies and one of the distinctive features was the introduction of research projects at under-graduate levels, right from the first year and to continue them till their final years of UG degree programs. Starting with only 150 student undertaking research projects in 2012-13 the number reached beyond 500 students in 2019-20. This was a unique experiment, which got wide appreciation at DBT and was specifically highlighted on the DBT's web portal (<http://dbtindia.gov.in/schemes-programmes/building-capacities/teaching/star-college-scheme-strengthening-ug-science>) The detailed chart of the institutional performance displayed on DBT website is shown in the weblink given below. Overall, more than 1500 under-graduate and 700 post-graduate students have undertaken independent research projects so far in the last 5 years. Many of the projects by under-graduate students were continued in their post-graduation in the same college (maintaining the pool of advanced-learner students). The outcomes of many of these projects are published in peer-reviewed, indexed journals. Consequently, the college was awarded coveted 'Star Status' in 2017-18 with a sanction of Rs. 2.82 Crores. In a further recognition of our outstanding work through this college, the coordinator of the scheme at Modern College, Ganeshkhind, Pune was nominated as Member, DBT's Expert Committee for Screening New Star College Proposals submitted to DBT. The Principal and the Coordinator were invited by the DBT to give a lead presentation at the annual review meeting for newly inducted colleges under this scheme, at the Pondicherry University in 2019-20. They were also invited by the DBT at the India International Science Festival, Lucknow, 2018-19. The college took a lead afterwards and started mentoring other colleges in Maharashtra and outside for this scheme, including Shri Shivaji College, Barshi, Solapur (awarded Star Status in 2020), C.T. Bora College, Shirur, Pune (received Star College Scheme in 2019), and Nirmala College for Women, Coimbatore (awarded Star Status), beside others. In addition to this, the

highly motivated students are now engaging several school students in and around Pune and mentoring them for inculcating scientific temper amongst them and to explore the science.

Provide the weblink of the institution

[https://www.moderncollegegk.org/naac\\_criterion\\_VII.php](https://www.moderncollegegk.org/naac_criterion_VII.php)

### **8.Future Plans of Actions for Next Academic Year**

1. Launching New Courses : considering the demand for Post-graduation in Statistics, a PG programme with specialization in Statistics would be started from the next academic year. As also considering the need for introducing skill-based application oriented courses so as to supplement the theoretical knowledge, the department of Psychology will launch a one year Diploma in Mental Health Care. Proposals would be sent to the appropriate funding agencies. 2. Training for the teachers : As the college needs to gear up for the technology based education, IQAC has decided to introduce new online education training programmes like Microsoft Teams, Google Meet, Google Classroom for managing online classes and evaluation. 3. Evaluation : The college runs PG courses in the discipline of Arts, Commerce and Science. The IQAC has suggested the departments to conduct an entrance exam for admitting students. Also a possibility of online entrance examinations would be explored so as to attract students from outside Pune. 4. IQAC has planned a programme in association with like-minded HEIs for organizing a holistic health programme that would meant for a cross section of stakeholders. 5. Sharing of best practices of others, listening to experiences of other peers helps in understanding the new opportunities. As innovation is the buzz word of today, the college should explore more opportunities to receive funding and support from national level. Hence, experience sharing session of different HEIs who have bagged major projects would be organized so that the teaching faculty gets motivation and learns how to proceed.